

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-011908**Date Inspected:** 06-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** You Qi Guo.**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Amit K. Juvekar, was present during the times noted above for observations relative to the work being performed.

This QA Inspector observed the following work in progress:

Heavy Dock(Tower Assembly), South Tower, Lift 1, Skin B, Bearing Stiffener(Inside Tower).

FCAW welding of Partial Penetration weld joint (PJP) SSD1-SA18-3; located on Heavy Dock(Tower Assembly), South Tower, Lift 1, Skin B. Welders are identified as 068047; ZPMC Quality Control Inspector (QC) is identified as You Qi Guo. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-2333-TC-P4-F. The attached photographs provide additional detail.

Heavy Dock(Tower Assembly), South Tower, Lift 1, Skin D, Bearing Stiffener(Inside Tower).

FCAW welding of Partial Penetration weld joint (PJP) SSD1-SA40B/E-21; located on Heavy Dock(Tower Assembly), South Tower, Lift 1, Skin D. Welders are identified as 066477; ZPMC Quality Control Inspector (QC) is identified as You Qi Guo. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-2333-TC-P4-F.

Heavy Dock(Tower Assembly), South Tower, Lift 1, Skin E, Bearing Stiffener(Inside Tower).

FCAW welding of Partial Penetration weld joint (PJP) SSD1-SA16F/G-12; located on Heavy Dock(Tower Assembly), South Tower, Lift 1, Skin E. Welders are identified as 066733; ZPMC Quality Control Inspector (QC) is identified as You Qi Guo. The welding variables recorded by Quality Control Inspector (QC) appeared to

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comply with the Applicable WPS: WPS-B-T-2333-TC-P4-F.

Heavy Dock(Tower Assembly), West Tower, Lift 1, Skin E, Interior Bearing Plate.

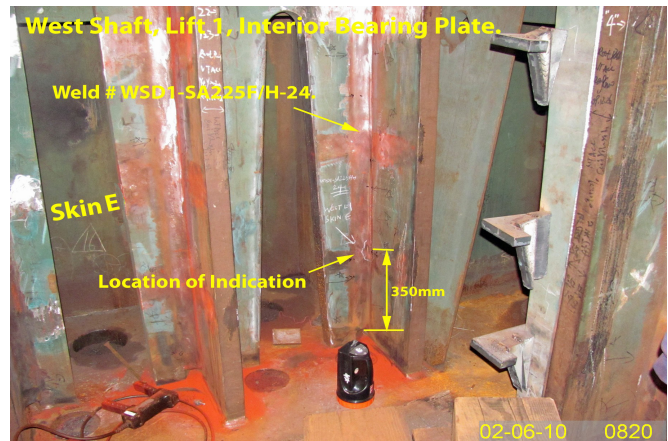
During the Quality Assurance (QA) random in-process visual inspection of West Tower, Lift 1 Interior Bearing Plates, this QA inspector observed ZPMC carried out Magnetic Particle Testing on Interior Bearing Plates on Skin E & found Indication at the weld. ZPMC did excavation to remove it. Weld identified as WSD1-SA225F/H-24. The attached photographs provide additional detail.

This QA Inspector carried out NDE on following

Heavy Dock(Tower Assembly), West Tower, Lift 1, Skin D, Interior Bearing Plate.

This QA inspector performs Random Visual Testing (VT), Magnetic Particle Testing (MT) of approximately 15% area previously tested and accepted by ZPMC Quality Control personnel, FOR GREEN TAG. This QA Inspector generated an MT report(TL-6028) for this date. The members are identified as WSD1-SA295B/E-2, 4, 5, 8, 10.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Serge Sinevod, 13482570045, who represents the Office of Structural Materials for your project.

Inspected By:	Juvekar,Amit	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer